2)

$$H(s) = \frac{s - \frac{R2}{C1R1R3}}{s + \frac{1}{C1R3}} \Rightarrow \quad W_0 = \frac{1}{C1R3} \quad \wedge \quad Z_0 = R3$$

Si $s = W_0 \$ \Rightarrow \quad H(\$) = \frac{W_0 \$ - \frac{C2}{R1} W_0}{W_0 \$ + W_0} \Rightarrow \quad H(\$) = \frac{\cancel{W_0}}{\cancel{W_0}} \cdot \frac{\$ - \frac{C2}{R1}}{\$ + 1}$

$$H(\$) = \frac{\$ - R2/R1}{\$ + 1} \Rightarrow \quad C1 = \frac{1}{W_0 Z_0} \rightarrow W_0 = 1 \Rightarrow C1 = \frac{1}{Z_0} = \frac{1}{R3} \rightarrow Z_0 = 1 \Rightarrow C1 = 1$$

$R1 = K1 Z_0 \rightarrow Z_0 = 1\Omega \Rightarrow R1 = K1$

$R2 = K2 Z_0 \rightarrow Z_0 = 1\Omega \Rightarrow R2 = K2$

$$\boxed{H(\$) = \frac{\$ - K2/K1}{\$ + 1}}$$

transferencia Normalizada